

21909 U.S. PTC
10/609505
06/30/03

**PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Docket No: 30205/39439

PATENT APPLICATION TRANSMITTAL UNDER 37 C.F.R. 1.53

Mail Stop Patent Application
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Transmitted herewith for filing is the patent application of:

Inventors: Pan Ki Kwon and Sang Ick Lee

Title: METHODS FOR MANUFACTURING CONTACT PLUGS FOR
SEMICONDUCTOR DEVICES

1. Type of Application


- ☒ This is a new application for a
☒ utility patent.
☐ design patent.
☐ This is a continuation-in-part application of prior application no.

2. Application Papers Enclosed

- 1 Title Page
7 Pages of Specification (excluding Claims, Abstract, Drawings & Sequence Listing)
3 Pages of Claims
1 Page of Abstract
8 Sheets of Drawings (Figs. 1a to 6)
☒ Formal
☐ Informal

CERTIFICATION UNDER 37 CFR 1.10

I hereby certify that this Patent Application Transmittal and the documents referred to as enclosed therewith are being deposited with the United States Postal Service on **June 30, 2003**, in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450 utilizing the "Express Mail Post Office to Addressee" service of the United States Postal Service under Mailing Label No. EV 323 772 496 US


Richard Zimmermann

3. Declaration or Oath

- ☒ Enclosed
- ☒ Executed by (check all applicable boxes)
- ☒ Inventors
- ☐ Legal representative of inventor(s)
(37 CFR 1.42 or 1.43)
- ☐ Joint inventor or person showing a proprietary interest
on behalf of inventor who refused to sign or cannot be
reached
- ☐ The petition required by 37 CFR 1.47 and the statement
required by 37 CFR 1.47 are enclosed. See Item 5D
below for fee.
- ☐ Not enclosed - the undersigned attorney or agent is authorized to file this
application on behalf of the applicant(s). An executed declaration will follow.

4. Small Entity Status

- ☐ Applicant claims small entity status. See 37 CFR 1.27.

5. Additional Papers Enclosed

- ☐ Preliminary Amendment
- ☒ Information Disclosure Statement
- ☐ Declaration of Biological Deposit
- ☐ Computer readable copy of sequence listing containing nucleotide and/or
amino acid sequence
- ☐ Microfiche computer program
- ☐ Associate Power of Attorney
- ☐ Verified translation of a non-English patent application
- ☐ An assignment of the invention
- ☐ Request and Certification Under 35 U.S.C. 122(b)(2)(B)(i)
- ☒ Return receipt postcard
- ☐ Other

6. Priority Applications Under 35 USC 119

Certified copies of the application from which priority under 35 USC 119 is claimed
is listed below and

- ☒ is attached.
- ☐ will follow.

COUNTRY	APPLICATION NO.	FILED
Korea	2002-42683	July 19, 2002

7. **Filing Fee Calculation (37 CFR 1.16)**

A. ☒ **Utility Application**

CLAIMS AS FILED - INCLUDING PRELIMINARY AMENDMENT (IF ANY)

			SMALL ENTITY		OTHER THAN A SMALL ENTITY	
	NO. FILED	NO. EXTRA	RATE	FEE	RATE	FEE
BASIC FEE				\$375.00		\$750.00
TOTAL	20 - 20	= 0	X 9 =	\$	X 18 =	\$0.00
INDEP.	2 - 3	= 0	X 42 =	\$	X 84 =	\$0.00
: First Presentation of Multiple Dependent Claim			+ 140 =	\$	+ 280 =	\$
Filing Fee:				\$	OR	\$750.00

B. **Design Application**

Filing Fee: \$ _____

C. **Plant Application**

Filing Fee: \$ _____

D. **Other Fees**

- ☐ Recording Assignment \$ _____
- ☐ Petition fee for filing by other than all the inventors
or person on behalf of the inventor where inventor refused
to sign or cannot be reached \$ _____
- ☐ Other \$ _____

Total Fees Enclosed \$ 750.00

8. **Method of Payment of Fees**

- ☒ Enclosed check in the amount of: \$ 750.00
- ☐ Charge Deposit Account No. 13-2855 in the amount of: \$ _____
A copy of this Transmittal is enclosed.
- ☐ Not enclosed

9. Deposit Account and Refund Authorization

The Commissioner is hereby authorized to charge any deficiency in the amount enclosed or any additional fees which may be required during the pendency of this application under 37 CFR 1.16 or 37 CFR 1.17 or under other applicable rules (except payment of issue fees), to Deposit Account No. 13-2855. A copy of this Transmittal is enclosed.

Please refund any overpayment to Marshall, Gerstein & Borun at the address below.

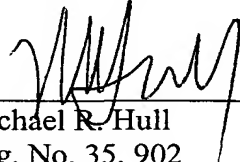
10. Correspondence Address
Customer No.: 04743

Respectfully submitted,

MARSHALL, GERSTEIN & BORUN
6300 Sears Tower
233 South Wacker Drive
Chicago, Illinois 60606-6357
(312) 474-6300
(312) 474-0448 (Telefacsimile)

June 30, 2003

By:



Michael R. Hull
Reg. No. 35, 902